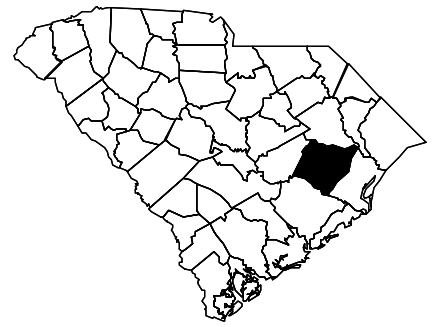


ASTHMA IN WILLIAMSBURG COUNTY



Produced by the S.C. Department of Health and Environmental Control for Asthma Awareness Month

May 2003

Impact of Asthma in the United States

- U.S. asthma lifetime cases more than doubled from an estimated 6.7 million to 31.3 million between 1980 and 2001.
- Costs for asthma have almost tripled from an estimated \$6.2 billion in 1990, to over \$16 billion in 2001.
- Five million U.S. children are asthmatic, more than the entire population of South Carolina.
- 4,222 people died of asthma in 2001.

Asthma in South Carolina

- Annually about 264,000 South Carolinians suffer from asthma.
- In 2001, 1.2% (5,785) of ALL hospitalizations were for asthma.
- Asthma claimed the lives of 77 South Carolinians in 2001.

Impact of Asthma in Williamsburg County

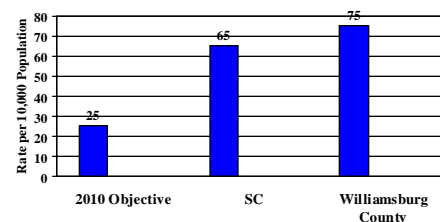
- About 2,393 (6.5%) adults in Williamsburg county suffer annually from asthma.
- In 2001, there were 54 hospitalizations for asthma in Williamsburg county for all ages.

Children Suffer the Most from Asthma

- Asthma/Bronchitis is the leading cause of hospitalization in Williamsburg county for children under the age of 18.

- In 2001, there were 28 asthma hospitalizations of children (<18 years) in Williamsburg county.
- Healthy People 2010 Objective for asthma hospitalizations among children under age 5 years is 25 per 10,000 children.
- Williamsburg county had a rate of 75 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 65 per 10,000 children.

Comparison of Asthma Hospitalization Rates, Children Aged 0-5, Williamsburg County, 2001

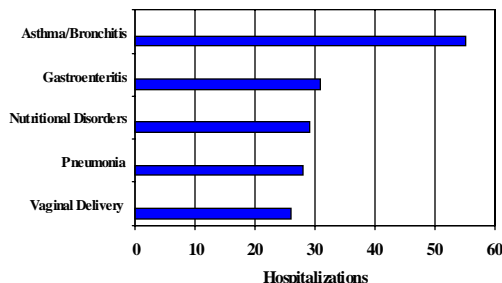


Data Source: Office of Research & Statistics

Cost of Asthma

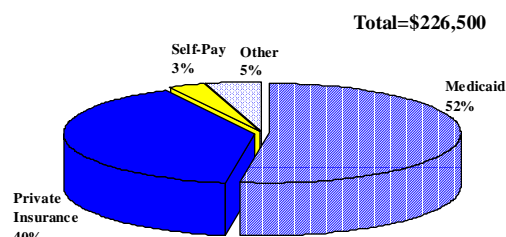
- \$226,500 was charged in 2001 for hospital and ER visits in Williamsburg county for asthmatic children (<18 years).
- Medicaid covered over 52% of these charges.

Leading Causes of Hospitalization in Children Aged 0-18, Williamsburg County, 2001



Data Source: Office of Research & Statistics

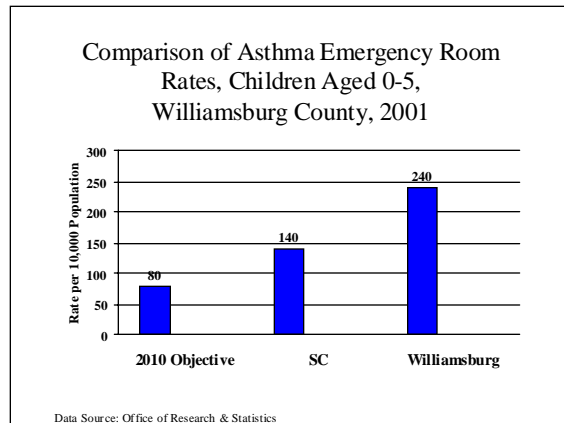
Percent Distribution of Asthma Related ER & Hospitalization Charges of Children Aged 0-18, Williamsburg County, 2001



Data Source: Office of Research & Statistics

Emergency Room

- 127 children under the age of 18 visited the ER due to asthma in Williamsburg county in 2001. This represents 40% of all ER visits due to asthma.
- \$62,300 was charged for ER visits in Williamsburg county for asthmatic children (< 18 years) in 2001.



- Healthy People 2010 Objective for asthma related ER visits among children under age 5 years old is 80 per 10,000 children.
- Williamsburg county had an ER rate of 240 per 10,000 children under the age of 5 in 2001, compared to South Carolina's 140 per 10,000 children.

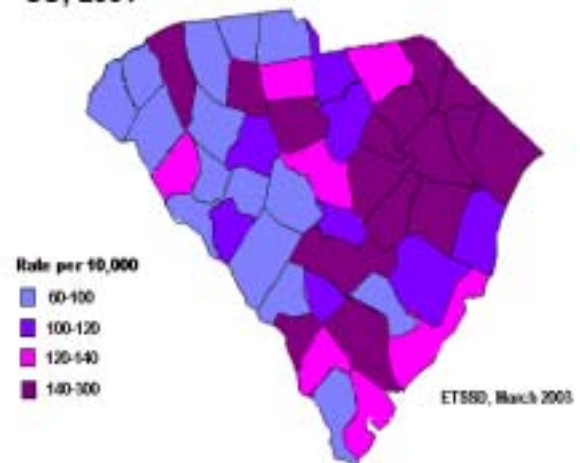


Disparities

- Non-white children under the age of 18 visit ER much more frequently than white children in the same age group.
- The hospitalization rate among non-white children is two to three times as often as white children.

Hospital and Emergency Room Rates per 10,000 Children (<18 years), 2001				
	Williamsburg County		South Carolina	
	White	Non-white	White	Non-white
Hospital	11.9	31.6	19.2	41.5
ER	35.6	146.7	46.0	155.5

Asthma Related Hospital and ER Visits Rate for Children Younger than 18 SC, 2001



For more information on asthma contact:

SC DHEC Data Sources:

Behavior Risk Factor Surveillance System

Bureau of Epidemiology
(803) 545-4920

Vital Records

Division of Biostatistics
(803) 898-3649

Bureau of Air Quality

Outreach Section
(803) 898-4467

www.scdhec.net

Generated By:

Epi Technical Support and Services Division
Bureau of Epidemiology

Hospital discharges and ER visits, contact:

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